DEPARTMENT OF ENERGY FY 1998 CONGRESSIONAL BUDGET REQUEST ENVIRONMENT, SAFETY AND HEALTH EXECUTIVE BUDGET PLAN

Mission:

The Office of Environment, Safety and Health (EH) develops innovative, unique, and cost-effective approaches for the protection of Department of Energy (DOE) workers, the public, and the environment. This commitment is demonstrated by continuous improvement in program and policy development; independent oversight of the status of environment, safety, health, and safeguards and security programs; and sharing of technical resources, assistance, and information. eh seeks to ensure that DOE activities are conducted in a way that prevents accidents or injuries to workers and the public, and prevents harm to the environment. EH is the major cross-cutting source of expertise in disciplines such as environmental protection, nuclear safety engineering, public health, industrial hygiene, radiation protection, construction safety, risk management, epidemiology, and occupational medicine. The goal is to leverage scarce resources and skilled personnel to efficiently provide DOE's line management programs with the tools and independent program assessments required to preserve safety and to effectively protect national security interests at DOE sites. Open communication, participation, and performance feedback on EH activities are integral to EH's success.

The Environment, Safety and Health program is funded in two appropriations accounts: (1) Energy Supply Research and Development and (2) Other Defense Activities. The non-defense EH program consists of technical assistance, National Environmental Policy Act, health studies, management and administration, and a program direction decision unit for all EH employees. The defense EH program includes oversight, health studies, and the Radiation Effects Research Foundation (RERF).

The EH mission is urgent. Residual hazards at DOE facilities, especially in the nuclear weapons complex, result from many years of nuclear material production and processing and are still being characterized. Nevertheless, it is clear that due to more than 50 years of nuclear weapons production, DOE harbors the largest inventories of hazardous materials in the world outside of the former Soviet Union. Due in large part to the sudden end of the Cold War and the resultant rapid shutdown of the production and processing facilities, much of this material -- including plutonium, spent fuel, uranium and hazardous chemicals -- is stored in aging and deteriorating facilities, and in conditions that are in themselves hazardous. There is still a lack of reliable data for many of these facilities on the most basic safety issues, such as electrical and ventilation systems. While facing these challenges, the problem of secure storage of special nuclear material and classified information remains.

DOE is transitioning to new missions of weapons dismantlement, environmental cleanup, and facility decontamination and decommissioning. EH technical experts work with line program managers to develop tools needed to manage safety at DOE facilities more effectively and at less cost to taxpayers. EH has demonstrated that the Department can do its work better, more safely, and at less cost by integrating safety into the planning and execution of work. EH will continue to work with its partners in the field to ensure that safety is no longer viewed as an "add-on" that produces only paper and needless cost, but as an asset that allows efficient targeting of the most urgent risks, most efficient use of limited resources, and effective accomplishment of work.

The EH overall major goals and objectives include the following.

- Goal 1: Provide a standardized corporate independent oversight process to appraise the effectiveness of environment, safety, health, and safeguards and security programs throughout DOE. To accomplish the goal of corporate independent oversight, the following objectives have been established: (a) identify, prioritize, and target Departmental needs for independent oversight; (b) incorporate the DOE's guiding management principles into all oversight activities; (c) institutionalize a coordinated and consistent independent oversight for the DOE; (d) administer an enforcement program that appropriately penalizes significant violations of nuclear safety requirements; and (e) disseminate lessons learned to reinforce good practices.
- Goal 2: Provide quality (timely, efficient, and effective) corporate support and technical services. To accomplish this corporate support and technical services goal, the following objectives have been established: (a) identify and support Departmental environment, safety and health crosscutting programs and technical services that are aligned with critical missions and integral to mission accomplishment; (b) evaluate operational performance data and identify for corporate assessment and action those vulnerabilities that pose urgent risks to DOE workers, the public, and mission accomplishment; (c) further ongoing partnerships with private industry, government agencies, and national safety organizations, to promote information exchange and program benchmarking to enhance DOE safety programs; and (d) continuously improve corporate services through feedback and performance measures.
- Goal 3: Provide Departmental requirements, guidance, and policy for environment, safety and health program implementation and measurement. To accomplish this goal, the following objectives have been developed: (a) support ongoing field analysis, interpretation, and application of "WorkSmart" standards (safety guidelines) through the Necessary and Sufficient process; (b) support field program execution by providing needed regulatory interpretations and implementation guidance; (c) interface with outside regulators analyzing comments on pending regulations pertinent to DOE and regulatory policies and actions having impact on DOE missions; (d) continue stewardship and improve effectiveness of the new environment, safety and health orders; and (e) develop, issue, and implement technical standards that apply to DOE work and that rely on appropriate consensus standards.
- Goal 4: Provide a National Environmental Policy Act (NEPA) process that encourages managers to use the NEPA process, builds public trust, and minimizes cost and preparation/review time. To accomplish this NEPA goal, EH has established the following objectives: (a) implement NEPA contract reforms that provide incentives for quality and timely performance; (b) implement changes to improve the NEPA process; (c) implement additional reforms for high priority projects to deal with situations where schedule is of paramount importance; (d) implement enhancements for public involvement to encourage and facilitate public participation throughout the NEPA process; and (e) form a quality team to analyze the environmental impact statement process and recommend improvements.
- Goal 5: Provide environment, safety, and health performance and management accountability. To accomplish this goal, EH has established the following objectives: (a) develop and support implementation of a DOE-wide environment, safety, and health budget and planning process that defines scope, identifies costs, prioritizes activities based on relative risk, and allocates resources based on established commitments in a visible manner for implementation of environment, safety, and health program activities; (b) improve environment, safety, and health performance

through the application of total quality approaches to environment, safety, and health management processes; and (c) integrate environment, safety, and health in all Departmental business functions.

Goal 6: Provide an integrated information management program. To accomplish this goal, EH's objectives are: (a) formalize the information management function; (b) provide quality environment, safety, and health information to the public, EH, DOE, and other stakeholders; (c) provide all stakeholders effective communication, sharing, and processing of quality information; and (d) continuously improve management of information.

Goal 7: Conduct EH's mission in an open, trustworthy, and responsive manner. To accomplish this goal, EH's objectives are: (a) establish and implement programs that strengthen the public's trust, confidence, and respect in and for EH; (b) establish and implement programs that strengthen EH's credibility with Departmental and contractor employees; and (c) support the Department's efforts to reduce the volume of national security information and to minimize future classification.

Goal 8: Promote the health and safety of DOE's workers and communities surrounding Department sites and support understanding of radiation effects and other hazards on humans. To accomplish this goal, EH's objectives are to increase the understanding of radiation, chemical, and other hazards to DOE workers and the public through (a) assisting the field in the identification and application of effective approaches to prevent injury and illness, and (b) supporting domestic and international health effects information on populations exposed to deliberate and accidental releases of varying levels of ionizing radiation.

The legal requirements that affect the activities of the EH organization include all environmental, safety, and health Federal regulations, as well as legislation such as the Atomic Energy Act of 1954, as amended, and the National Defense Authorization Act for Fiscal Year 1995.

Strategy:

EH's intent is to assure that quality, objectivity, responsiveness and innovation are hallmarks of all EH activities. EH focuses on developing management-level analytical products, reducing redundancies, and enhancing staff development. EH serves its principal customers in the following major areas: (a) development of Departmental environment, safety, and health requirements, guidance and interpretations that are effective and efficient to guide program implementation; (b) improve environment, safety and health performance and management accountability by supporting the integration of environment, safety, and health considerations into the Department's business and budget planning processes; (c) provision of critical corporate environment, safety and health support and services, including regulatory and industry interface, and technical assistance to improve program management and execution and to assist in the efficient and effective implementation of requirements, and (d) conduct of independent oversight activities that provide a comprehensive status of environment, safety, health, and safeguards and security performance at DOE facilities.

Major Changes:

Performing new types of hazardous work safely and securely at facilities that were designed to meet the requirements of outdated rules and orders is one of DOE's most critical projects. Many old, poorly-maintained buildings do not meet current building codes and safety standards. "WorkSmart" Standards provide a graded approach to developing safety standards that allows the Department to tailor the standards to the work and the facilities.

Pilot applications of this process indicate that worker safety can be enhanced while program costs are reduced. The Department plans to use this process to proceed with safe and timely stabilization of facilities at Rocky Flats and other locations throughout the DOE complex.

The EH independent oversight program has been extremely useful in helping the Department effectively identify and target unacceptable risk. Comprehensive environment, safety and health assessments provide DOE management with validated, professional appraisals of the site's performance, by identifying areas of greatest risk in terms of both immediate hazards and overall program management. The foundation of this approach is an assessment of management effectiveness based on an analytic framework or "template" that clearly articulates the principles and operational elements of sound management programs. The template allows assessments to be objective and to apply common criteria to all sites. These assessments supply DOE management with validated, professional appraisal of the site's performance. The foundation of the new approach (the guiding principles of safety management) is an analytic framework that permits objective program analysis based on the principles of sound safety management. Changes in the Department's ability to apply resources to areas of greatest need have already been observed, but will become more evident in increased efficiency in meeting environmental, safety, health, and safeguards and security issues during FY 1998.

The rapid transition of the Department to a business management model with its emphasis on gaining cost-efficiencies, privatization and innovative management structures in the field has brought concomitant changes in how EH functions. Special emphasis will be given to self-assessment and self-reporting by field elements as a source of performance information, coupled with increased emphasis of EH performance analysis. Likewise, increasing priority will be given to programs that help move DOE line management from outdated environment, safety and health management approaches and systems, as will programs that facilitate the exchange of innovative business or environment, safety and health management practices that are preventive and cost-efficient in nature. From a technical safety assistance perspective special emphasis will be given to urgent programmatic needs such as safely managing the decommissioning and decontamination of aging DOE facilities, and hazardous waste management.

EH will continue to build on its strong record of cutting costs without risking the safety and health of DOE workers, the quality of the environment, or the quality of the health studies program. Even as challenges have grown, the EH budget has been reduced by cutting administrative overhead costs and focusing on real needs. An EH staffing plan has identified the most critical functions and closely matched personnel to fit those needs. Functions of lower priority will continue to be eliminated. This will result in a cut in federal personnel from 415 in Fiscal Year 1997 to 391 in FY 1998. EH has also analyzed how it utilizes support contractors and set specific criteria for their limited use.

Major Issues:

The medical surveillance for former workers program, required by the 1993 Defense Authorization Act, could potentially cost hundreds of millions of dollars. The Office of Environment, Safety and Health has worked over the past three years to craft a cost-effective approach that relies on feasibility studies to target populations most at risk. Last year, EH awarded contracts to six consortia of universities, labor unions, and health specialists.

Health studies efforts include the investigation of the health effects on workers and the public reflecting activities from the local Department of Energy sites, as well as the evaluation of the world-wide effects of radiation exposures. The Office of Environment, Safety and Health is proposing to increase support for Chernobyl and the Russian Federation dosimetry, worker health and epidemiological studies to enhance our knowledge of radiation exposures. The studies focus on a unique and scientifically critical set of data from a former nuclear weapons plant in Russia, which can offer the

scientific community an unparalleled opportunity to gain insights into the health effects of ionizing radiation, and, consequently, the health and cleanup standards that follow.

Program Performance Measures

The Office of Environment, Safety and Health (EH) continues to shift from a reactive approach to an emphasis on prevention and excellence in protecting worker and public safety and health and in achieving environmental standards.

EH serves as the Departmental advocate for institutionalizing effective and integrated safety management which focus on the key tenets of work planning, hazard analysis and hazard control. Success will be measured by the implementation of enhanced work planning systems at DOE sites.

EH incorporates the existing risk based environment, safety, and health planning and budgeting process into all new major Management and Operating contracts and those that are scheduled for renewal. Success will be measured by inclusion of environment, safety, and health provisions in 6 additional Management and Operating contracts.

By completing vulnerability studies to identify environment, safety, and health vulnerabilities across the complex, serious vulnerabilities will be reduced. Success will be measured by the reduction of the number of unaddressed serious vulnerabilities at DOE facilities from several dozen to zero.

EH is institutionalizing a multi-disciplinary, fully integrated oversight process for environment, safety, health, and security evaluations. Success will be measured by the DOE community clearly understanding the safety management template and the expectations of the oversight activities.

EH is implementing appropriate standards for work in progress that will provide for the health and safety of workers, the public and the environment. Success will be measured by the completion of projects initiated in FY 1996 and FY 1997, with full implementation of this process into the Department's operations in FY 1998.

The field, contractors, and outside organizations continue to adopt EH standards. Success will be measured by a decrease in lost work days due to occupational illness or injury, decrease in the number of personnel contaminations with radionuclides, and a decreasing trend in the number of serious accidents where policy is a root cause of the problem.

	Date:	
Tara O'Toole, M.D., M.P.H.	<u> </u>	
Assistant Secretary		
Environment, Safety and Health		

ENVIRONMENT, SAFETY and HEALTH ORGANIZATION FUNDING PROFILE: (Dollars in Thousands)

Sub-Program	FY 1996 Current Appropriation	FY 1997 Original/Current <u>Appropriation</u>	FY 1998¹ <u>Request</u>	FY 1999 Request
EH Non-Defense				
Operating Expenses Technical Assistance NEPA Health Studies Management and Administration	\$ 0 0 0 0	\$ 25,350 3,500 0 19,350	\$ 23,500 3,000 18,731 17,500	
Program Direction ₂	<u>0</u>	<u>37,300</u>	46,185	
Subtotal	0	85,500	108,916	
Adjustment (use of prior year balances)	<u>0</u>	(1,421)	0	
Subtotal Non-Defense	\$ 0	\$ 84,079	\$ 108,916	
EH Defense				
Operating Expenses Oversight Health Studies RERF	\$ 0 0 0	\$ 14,526 38,568 15,000	\$ 14,015 25,485 14,500	\$ 13,775 27,725 14,500
Program Direction	<u>0</u>	<u>10,706</u>	<u>0</u>	<u>0</u>
Subtotal	0	78,800	54,000	58,325
Adjustment	0	0	0	0
Subtotal Defense	\$ 0	\$ 78,800	\$ 54,000	\$ 54,000
TOTAL	<u>\$ 0</u>	<u>\$ 162,879</u>	<u>\$ 162,916</u>	

¹FY 1998 budget reflects transfer of some Health Studies activities and Program Direction from Other Defense Activities Appropriation (Defense) to the Energy Supply, Research and Development (Non-Defense).

Sub-Program	FY 1996 Current Appropriation	FY 1997 Original/Current <u>Appropriation</u>	FY 1998 <u>Request</u>	FY 1999 Request
Appropriation/Program				
Energy Supply, Research & Development				
Environment, Safety & Health Activities	\$ 6,915	\$ 0	\$ 0	\$ 0
Worker Health & Safety	28,650	0	0	0
Health Studies	29,332	0	0	0
Oversight	12,366	0	0	0
Planning & Administration	37,670	0	0	0
Nuclear Safety Policy	13,500	0	0	0
Other Defense Activities				
Security Evaluations	14,707	0	0	0
Nuclear Safety	17,679	0	0	0

Sub-Program	FY 1996 Current <u>Appropriation</u>	FY 1997 Original/Current <u>Appropriation</u>	FY 1998 <u>Request</u>	FY 1999 Request
Weapons Activities				
Dose Reconstruction	\$2,888	\$0	\$0	\$0
Marshall Islands	6,800	0	0	0
Representative to the DNFSB	<u>1,000</u>	0	0	0
Subtotal	\$ 171,507	\$ 0	\$ 0	\$ 0
Adjustment (use of prior year balance)	(\$ 4,396)			
SBIR	(387)	0	0	
Rescission	(225)	0	0	
Subtotal	<u>\$ 166,499</u>	<u> \$ 0</u>	<u>\$ 0</u>	
Comparability Adjustments:				
Energy Supply, Research & Development				
Working Capital Fund	4,504			
Defense Environmental Restoration				
Dose Reconstruction	<u>17,250</u>			
Total ES&H	<u>\$ 188,253</u>	<u>\$ 162,879</u>	<u>\$ 162,916</u>	

^{1.}Authorizations: P.L. 83 - 703, "Atomic Energy Act of 1954" P.L. 100-408, "Price Anderson Amendments Act of 1988" P.L. 95-91, "Department of Energy Organization Act" (1977)

^{2.}The certification packaging and transportation of nuclear materials program has been transferred to the Office of Environmental Management and in FY 1998 will be funded in the Defense Environmental Restoration account. In FY 1997, this program is funded at \$4,300,000 in Technical Assistance and \$400,000 in Program Direction.

ENVIRONMENT, SAFETY and HEALTH STAFFING PROFILE

Sub-Program	FY 1996 Current <u>Appropriation</u>	FY 1997 Original/Current <u>Appropriation</u>	FY 1998 ² <u>Request</u>
<u>FTEs</u>			
Non-Defense	316	315	391
Defense	95	100	0
TOTAL	411	415	391

²In FY 1998, all EH Federal employees have been incorporated in the Energy Supply, Research and Development Appropriation (Non-Defense Program Direction).

ENVIRONMENT, SAFETY, AND HEALTH PROGRAM FUNDING BY SITE (Dollars in thousands)

Laboratory/Plant/Installation	FY 1996 ³ Current <u>Appropriation</u>	FY 1997 Original/Current <u>Appropriation</u>	FY 1998 <u>Request</u>
Sandia National Laboratories	\$282	\$235	\$270
Los Alamos National Laboratory	1,010	1,000	950
Brookhaven National Laboratory	3,622	2,930	2,935
Argonne National Laboratory	4,454	3,787	2,345
Idaho National Engineering Laboratory	6,036	5,000	4,920
Oak Ridge Institute for Science & Educ.	6,928	6,300	6,210
Oak Ridge National Laboratory	14,976	12,100	12,070
Pacific Northwest National Laboratories	17,793	15,577	15,515
Lawrence Berkeley Laboratory	1,364	1,100	1,110
Lawrence Livermore National Laboratory	8,513	7,038	7,165
Savannah River Technology Laboratory	173	140	140
Westinghouse Hanford	125	135	100
HQs	127,985	108,958	109,186
Adjustment	(5,008)	(1,421)	<u>0</u>
TOTAL	<u>\$188,253</u>	<u>\$162,879</u>	<u>\$162,916</u>

³Comparability numbers.

DEPARTMENT OF ENERGY FY 1998 CONGRESSIONAL BUDGET REQUEST OTHER DEFENSE ACTIVITIES

(Tabular dollars in thousands, Narrative in whole dollars)

ENVIRONMENT, SAFETY AND HEALTH DEFENSE

PROGRAM MISSION

The Office of Environment, Safety and Health (EH) is a corporate resource that provides leadership and departmental management excellence to protect the workers, the public, and the environment. This commitment to excellence is demonstrated by continuously striving for improvement by developing meaningful programs and policies; conducting independent oversight of environment, safety, health, safeguards and security performance; and providing technical assistance, resources, and information sharing. Open communication, participation, and performance feedback on EH activities from affected parties are integral to EH's success. The hallmark and highest priority of all EH activities is daily excellence in the protection of the workers, the public, and the environment. The Office of Environment, Safety and Health defense activities are concentrated into three business functions: Oversight, Health Studies, and the Radiation Effects Research Foundation (RERF) support.

OVERSIGHT: These activities provide information and analysis needed to ensure that the Department of Energy (DOE) and contractor management, the public, the Secretary of Energy, and the Assistant Secretary for Environment, Safety and Health have an accurate, comprehensive understanding of the effectiveness, vulnerabilities, and trends of the Department's environment, safety, and health, and safeguards and security policies and programs. These activities include the Site Residents Program, Assessments, Accident Investigation, Analysis, Price-Anderson Amendments Act Enforcement, and the Departmental Representative to the Defense Nuclear Facilities Safety Board (DNFSB).

HEALTH STUDIES: These activities include Occupational Medicine, primarily medical surveillance; Epidemiologic Studies, including surveillance of worker injury and illness; and International Health Programs, including the Marshall Islands program, and health studies in the former Soviet Union.

RADIATION EFFECTS RESEARCH FOUNDATION (RERF): In this activity the Department of Energy supports analysis of the medical effects of radiation on man or diseases that may be affected by radiation, with the intention of contributing to the maintenance of the health and welfare of atomic bomb survivors and to the enhancement of the health of all mankind.

The **GOAL** of the EH Defense programs is to continually provide excellent Department-wide environment, safety, health, and safeguards and security support by:

- Providing consistent, multidisciplinary, credible oversight processes for appraising the effectiveness of environment, safety, health, and safeguards and security programs.
- Coordinating processes with field and program offices; and reporting appraisal results to DOE senior management, the Congress, and the Defense Nuclear Facilities Safety Board.
- Ensuring follow-up of all EH oversight activities is effective.
- Ensuring increased contractor accountability for safety through oversight of Price-Anderson Amendments Act.
- Promoting high quality workplace medical services to DOE and contractor employees.
- Using epidemiologic analysis to examine associations between exposures or conditions at DOE sites and potential adverse health effects among groups of workers and offsite populations.
- Managing the health and environmental programs in the Marshall Islands for those exposed to ionizing radiation.
- Expanding the knowledge of dose-response relationships of health effects of radiation using workers and populations with unique exposure to radiation as a result of accidents or environmental contamination in the former Soviet Union.
- Continuing United States participation in support of the Radiation Effects Research Foundation.

The **OBJECTIVES** related to this goal are:

- Identify, prioritize, and conduct inspections and special studies to determine the effectiveness of the Department's environment, safety, health, and safeguards and security policies and programs by providing coordinated and consistent independent oversight to customers.
- Report appraisal results to DOE senior management, the Congress, and the Defense Nuclear Facilities Safety Board.
- Improve the performance and effectiveness of the Department's workforce and contractor employees in matters related to environment, safety, health, and safeguards and security.
- Conduct and/or monitor accident investigations with a focus on identifying systemic causes that might lead to further accidents.
- Encourage contractors to voluntarily comply with nuclear safety requirements by encouraging proactive contractor initiatives to identify deficiencies before actual problems occur.
- Disseminate lessons learned and exemplary practices to enhance performance and safety.
- Support the systematic collection, analysis, and sharing of data on worker injury and illness, with the aim of detecting emerging health issues; and evaluating the impacts of changes in health and safety practices at DOE sites.

- Investigate the effects of radiation exposure on the exposed populations in the Marshall Islands.
- Investigate the effects of radiation exposure on the children exposed by the Chernobyl accident and exposed populations in the former Soviet Union and Eastern Europe.
- Collect data on the effects of radiation exposure on the survivors of the bombings of Hiroshima and Nagasaki, Japan.

PERFORMANCE MEASURES: Performance measures related to environment, safety, and health activities are primarily qualitative rather than quantitative. However, some quantitative performance measures are:

- Downward trends in previously identified issues that lead to environmental releases.
- Decreased rates of occupational injury and illness.
- Increased customer satisfaction with oversight priorities, timeliness, consistency, and quality.
- Significant environment, safety, health, and safeguards and security issues identified at one site do not recur at that site or other sites.
- Decreased radiological exposures and number of nuclear safety violations.
- At-risk worker populations are identified and appropriate mitigation measures are employed to avoid adverse health outcomes by implementing a program that establishes systematic linkages between job/task analyses, exposure assessments, medical monitoring, and epidemiological analysis.
- Investigation of reported health concerns is initiated within 30 days of identification.
- Satisfaction of former workers that issues surrounding their potential for occupationally-related disease are being addressed.

SIGNIFICANT ACCOMPLISHMENTS AND PROGRAM SHIFTS: Significant accomplishments and program shifts are defined within the respective business line descriptions that follow.

ENVIRONMENT, SAFETY AND HEALTH DEFENSE⁴ PROGRAM FUNDING PROFILE (Dollars in thousands)

Sub-Programs Oversight Health Studies RERF Subtotal	FY 1996 Current Appropriation \$ 0 0 0 0	FY 1997 Original/Current <u>Appropriation</u> \$ 14,526 38,568 <u>15,000</u> 68,094	FY 1998 <u>Request</u> \$ 14,015 25,485 <u>14,500</u> 54,000	FY 1999 Request \$ 13,775 25,725 14,500 54,000
Adjustment	0	0	0	0
Total EH Defense	<u>\$ 0</u>	<u>\$ 68,094</u>	<u>\$ 54,000</u>	<u>\$ 54,000</u>
Appropriation/Program				
Energy Supply, Research & Development Health Studies	\$ 9,332	\$ 0	\$ 0	\$ 0
Defense Environmental Restoration Dose Reconstruction	17,250	0	0	0
Other Defense Activities Security Evaluations Nuclear Safety	10,688 10,232	0 0	0 0	0 0
Weapons Activities Dose Reconstruction Marshall Islands Representative to the DNFSB	2,888 6,800 	0 0 <u>0</u>	$\begin{matrix} 0 \\ 0 \\ 0 \end{matrix}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ \end{array}$
Subtotal	\$ 57,890	\$ 0	\$ 0	\$ 0
SBIR	(387)	0	0	0
Rescission	(225)	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$ 57,278	\$ 0	\$ 0	\$ 0

⁴Authorizations:
P.L. 83-703, "Atomic Energy Act of 1954"
P.L., 100-408, "Price Anderson Amendments Act of 1988"

ENVIRONMENT, SAFETY AND HEALTH DEFENSE PROGRAM FUNDING BY SITE (Dollars in thousands)

	FY 1996 ⁵ Current <u>Appropriation</u>	FY 1997 Original/Current <u>Appropriation</u>	FY 1998 <u>Request</u>	FY 1999 <u>Request</u>
<u>Laboratory/Plant/Installation</u>				
Sandia National Laboratories	\$ 65	\$ 65	\$ 100	\$ 100
Los Alamos National Laboratory	25	25	150	150
Brookhaven National Laboratory	100	100	75	75
Argonne National Laboratory	1,430	1,467	0	0
Idaho National Engineering Laboratory	160	160	150	150
Oak Ridge Institute for Science & Education	30	30	600	600
Oak Ridge National Laboratory	250	250	100	100
Pacific Northwest Laboratory	8,793	9,127	9,000	9,000
Lawrence Livermore National Laboratory	1,295	1,328	1,400	1,400
Westinghouse Hanford	125	135	100	100
HQs	<u>45,617</u>	<u>55,407</u>	42,325	<u>42,325</u>
Subtotal	57,890	68,094	54,000	54,000
SBIR	(387)	0	0	0
Rescission	(225)	0	0	0
TOTAL	<u>\$ 57,278</u>	<u>\$ 68,094</u>	<u>\$ 54,000</u>	<u>\$ 54,000</u>

⁵Comparable appropriation numbers.

ENVIRONMENT, SAFETY AND HEALTH DEFENSE OTHER DEFENSE ACTIVITIES OVERSIGHT

(Dollars in thousands)

I. <u>Mission Supporting Goals and Objectives</u>

The mission of the Oversight program is to provide the information and analysis needed to ensure that the Secretary of Energy, Assistant Secretary for Environment, Safety and Health, Department and contractor management, Congress, workers, unions, and the public have an accurate and comprehensive understanding of the effectiveness, vulnerabilities, and trends of the Department's environment, safety, health, safeguards and security policies and programs. The primary goal of the Office of Oversight is to be a catalyst that promotes constructive change in Department environment, safety, health, safeguards, and security management programs. This goal is accomplished by independently assessing and analyzing the status of environment, safety, health, safeguards, and security programs, accurately reporting the status to DOE managers and other constituents, and conducting timely follow-up activities to validate that appropriate actions are being taken. The mission of the Oversight program is accomplished through the following key activities:

EH Site Residents provide real time feedback on the status of field environment, safety, health, safeguards, and security programs. The EH Site Residents evaluate performance through a comprehensive surveillance program, follow up and verify closure of identified deficiencies, and provide regular updates on the status of corrective actions and upgrades.

Assessments of environment, safety, health, safeguards, and security policies and implementation of policies by Department line management organizations. Assessments are an independent evaluation of Departmental performance against orders, standards, policies, and other pertinent regulations, with a particular emphasis on DOE line management performance with respect to DOE's guiding principles of safety management.

Accident Investigation Program ensures that accidents occurring at DOE sites are adequately investigated such that root causes are determined, lessons learned are disseminated, and corrective actions are implemented and verified. Oversight conducts systematic investigations of the most serious (Type A) accidents and guides and monitors the conduct of less serious accidents (Type B), which are performed by the field elements. Oversight also provides guidance for performing investigations and performs analysis of trends and precursors.

Analysis ensures integration of oversight activities, analyzes management evaluation data, provides the information necessary to plan and schedule evaluation efforts, and maintains the supporting infrastructure elements which ensure that adequate follow-up is performed at DOE sites.

Enforcement provides oversight of the Price-Anderson Amendments Act enforcement activities of the Department.

Defense Nuclear Facilities Safety Board (DNFSB) provides the Department liaison representation to the DNFSB.

II. Funding Schedule

Program Activity	FY 1996 ⁶	<u>FY 1997</u>	<u>FY 1998</u>	\$ Change	% Change	FY 1999
Site Residents	\$1,250	\$1,100	\$900	-\$200	-18%	\$900
Assessments	11,100	10,851	10,240	-611	-6%	10,000
Accident Investigation	495	400	300	-100	-25%	300
Analysis	2,400	1,400	1,000	-400	-29%	1,000
Enforcement	300	275	975	+700	+255%	975
DNFSB	700	500	<u>600</u>	<u>+100</u>	<u>+20%</u>	600
Total Oversight	<u>\$16,245</u>	<u>\$14,526</u>	<u>\$14,015</u>	<u>-\$511</u>	<u>-4%</u>	<u>\$13,775</u>

⁶Comparable appropriation numbers.

ENVIRONMENT, SAFETY AND HEALTH DEFENSE OTHER DEFENSE ACTIVITIES OVERSIGHT

(Dollars in thousands)

III. Performance Summary Accomplishments	FY 1996	FY 1997	FY 1998	FY 1999
EH Site Residents				
 Collect and analyze site data to allow EH Site Residents to more efficiently perform their baseline program, including over 200 comprehensive and systematic surveillances and followup of assessment results. 	\$500	\$500	\$500	\$500
 Develop, refine, and implement methods and procedures for collecting, collating, evaluating, storing, and retrieving data for analysis of data in the field. 	100	100	100	100
- Perform special review of requirements management programs and analytical techniques for evaluating effectiveness of field requirements management systems.	200			
 Perform special reviews as needed to provide information to DOE management about ongoing problem areas and to increase effectiveness of EH Resident Oversight; provide followup to other Office of Oversight reviews and assessments. 		100	100	100
- Provide field input to the initial set of 20 site profiles, which provide a consistent and uniform approach for maintaining an accurate and current profile of the status of hazards, strengths, weaknesses, and upgrades at key DOE facilities and provide a basis for DOE-wide priorities and focusing assessments on significant problems and trends. This comprises the first comprehensive compendium of environment, safety, and health issues at DOE facilities.	400			
 Provide field-validated input to site profiles for additional facilities and expand scope to include safeguards and security issues. 		200		
 Continually monitor field activities and provide input to maintain the site profiles to ensure DOE managers have current and validated information. 		200	200	200
 Refined the focus of the EH Site Resident Program to emphasize maintenance of site profiles and followup activities. 	50			
TOTAL - EH Site Residents	\$1,250	\$1,100	\$900	\$900

III. Performance Summary Accomplishments (continued)	FY 1996	FY 1997	FY 1998	FY 1999
Assessments				
- Conducted environmental, safety, and health assessments at Fernald, Strategic Petroleum Reserve, Savannah River, Hanford, Los Alamos, and Pantex sites. Based on guiding principles of safety management, these assessments are the Department's comprehensive and integrated approach to independent oversight of DOE and contractor line management.	\$2,900			
- Conduct an ongoing program of environment, safety, and health assessments consisting of reviews of 4-6 major sites per year.		3,100	3,100	3,100
- Conducted safeguards and security assessments at Rocky Flats, Argonne National Laboratory, and Transportation Safeguards Division sites. Enhanced the safeguards and security assessments by applying the guiding principles of safety management to safeguards and security.	1,800			
- Conduct an ongoing program of safeguards and security assessments consisting of reviews of 4-6 major sites per year.		2,000	1,900	1,800
 Performed over 10 special studies of policy, programs, and implementation in the field to identify weaknesses and provide information to DOE managers such that they can correct identified weaknesses. Some of the focus areas in FY 1996 were counterfeit parts, radiological protection, hoisting and rigging, safety aspects of security operations, molten salt reactor safety, and aviation safety. 	1,100	1,200	1,100	1,100
- Refine and implement a baseline program with national-level expertise in all aspects of environment, safety, health, safeguards, and security that performs ongoing assessments of policy, programs, and implementation and provide input to site profiles and followup activities. Particular emphasis is being placed on followup activities because effective followup is the most efficient method of ensuring that corrective actions are implemented and achieve the intended result.	3,300	3,400	3,300	3,200
- Implemented qualification standards program; Oversight personnel achieved greater than 90 percent of the qualification standards during the first year. Personal development and requalification programs are ongoing.	800	251	240	200

III. Performance Summary Accomplishments (continued)	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
- Implement a program for certifying safeguards and security personnel by administering challenging certification tests designed to demonstrate topical knowledge and the ability to apply that knowledge to real-world problems. Over 20 Oversight personnel have been certified under this program.	\$100	\$100	\$100	\$100
- Revise and refine methods and procedures to include disseminating useful tools to increase the effectiveness of field programs.	700	600	400	400
 Developed and issued a comprehensive set of performance objectives and criteria which expand on the guiding principles of safety management. This documents provides a template for an effective safety management program, and will be periodically updated and enhanced. 	400	200	100	<u> 100</u>
TOTAL - Assessments	\$11,100	\$10,851	\$10,240	\$10,000
Accident Investigation Program				
- Completed Type A accident investigations at Los Alamos National Laboratory and Idaho National Engineering Laboratory.	100			
- Conduct Type A accident investigations as needed at DOE facilities.		100	100	100
- Streamlined and enhanced accident investigation program to be more effective in reducing future accidents (e.g., reports that focus on lessons learned), more useful to managers (e.g., streamlined reporting procedures that result in more concise reports in a shorter time frame), and more efficient (e.g., reduced time to produce report), while enhancing the quality of the investigations.	100			
 Developed functional program materials and presented accident investigation techniques and revised methods for implementing accident investigation program to DOE Headquarters and field personnel. 	100	100		
- In accordance with the Office of Oversight's responsibility for direction and management of the DOE accident investigation program, support continued development of tools, such as handbooks, for use by the field for conduct of accident investigation, thus reducing overall costs to DOE through elimination of duplicated effort and economies of scale.		100	100	100

III. Performance Summary Accomplishments (continued)	FY 1996	FY 1997	FY 1998	FY 1999
- Revised DOE orders, guidance, manuals, and other documentation to reflect streamlined program and respond to Inspector General concerns.	\$95			
- Continually refine and implement programs for analyzing accident trends, disseminating lessons learned, following up on corrective actions, and identifying precursors to accidents to include review of accident Type B investigations performed by the field. This information is incorporated into the Office of Oversight's analysis program to provide a comprehensive program.	_100	_100	100	_100
TOTAL - Accident Investigation Program	\$495	\$400	\$300	\$300
Analysis				
- Provide baseline technical support to implement the analysis program to include subject matter expertise, policy analysis, trending, coordination of followup efforts, document control center, data analysis, and reporting (including annual reports and special papers).	600	600	650	650
- Develop and maintain Oversight program infrastructure, including procedures, handbooks, information management systems, and tools (e.g., the Oversight home page).	600	200	100	100
 Develop the infrastructure and programmatic guidance for the comprehensive certification program that includes the technical qualification program standards, safeguards and security certification programs, and appraisal analysis of management systems. 	500	300	150	150
- Develop, disseminate, and update the site profiles based on input from the EH Residents and assessment results.	<u>700</u>	300	100	<u>100</u>
TOTAL - Analysis	\$2,400	\$1,400	\$1,000	\$1,000

Enforcement

- Conduct the Price-Anderson Enforcement program in cooperation with DOE Field and Program Offices at each DOE nuclear site and perform nuclear safety enforcement activities.
- Conduct Price-Anderson-related investigations and technical evaluations of DOE nuclear safety requirements involving DOE indemnified contractors utilizing a process that provides for an orderly transition to an external enforcement regulator in the future.

III. Performance Summary Accomplishments (continued)	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
- Encourage contractors to proactively identify and correct nuclear safety deficiencies using an enforcement approach similar to the commercial nuclear industry.				
TOTAL - Enforcement	\$300	\$275	\$975	\$975
Defense Nuclear Facilities Safety Board Liaison				
- Provide representative liaison with the DNFSB for the Department. Assist the Department in responses to the DNFSB recommendations. Responds to or takes actions in consonance with the DNFSB Elements covering the entire scope of the responsibilities and functions of the Board.				
TOTAL - Defense Nuclear Facilities Safety Board Liaison	<u>\$700</u>	<u>\$500</u>	<u>\$600</u>	<u>\$600</u>
TOTAL - Oversight Activities	\$16,245	\$14,526	\$14,015	\$13,775

Explanation of Funding Changes from FY 1997 TO FY 1998

EH Site Residents: Support for the EH Site Residents will continue at a reduced level, reflecting a streamlining of operations and completion of the initial development of the site profiles. (-\$200,000)

Assessments: The continued streamlining of operations and completion of various non-recurring start-up and development costs (e.g., development of handbooks and guides) enables Oversight to continue to reduce the cost of conducting the baseline assessment programs. Also, better information systems, analysis of data, and evaluator training allows assessments to be conducted more efficiently. (-\$611,000)

Accident Investigation Program: The completion of various development and training efforts associated with the realignment of management responsibilities and the streamlining of operations enables Oversight to perform the accident investigations with the indicated reduction in funding. (-\$100,000)

<u>Analysis:</u> As many startup and development activities are completed (e.g., development of the qualification standards program and implementation of information management systems), Oversight is able to complete its mission with substantially less funding. (-\$400,000)

Enforcement: Price-Anderson nuclear safety enforcement is being fully implemented as a result of the transition completion from infrastructure and policy development to active enforcement of occupational radiation protection and quality assurance rules and investigation and prosecution of violations. (+\$700,000)

DNFSB Liaison: The additional efforts for Board Recommendations 93-3 (training qualification) and 95-2 (integrated safety management) have impacted liaison activities. As the focal point to facilitate the DNFSB interaction with senior Departmental management, the office monitors and

maintains general oversight of internal Departmental actions to ensure compliance with the Atomic Energy Act of 1954. (+\$100,000)

Explanation of Funding Changes from FY 1998 to FY 1999

• Reduction and streamlining of contractor utilization, as well as a reduction of one management evaluation (made possible by effective analysis of data available from management evaluations, special studies, and site resident reports), will achieve cost savings.(-\$240,000)

ENVIRONMENT, SAFETY AND HEALTH DEFENSE HEALTH STUDIES (Dollars in thousands)

I.Mission Supporting Goals and Objectives

The Health Studies program promotes the health and safety of DOE's workers and communities surrounding Department sites, and supports analysis to understand the effects of radiation on humans. It is comprised of three programs: Occupational Medicine, Epidemiologic Studies, and International Health Studies. The Occupational Medicine area provides the Department's occupational medicine clinics with tools such as a paperless system that automatically links medical, exposure and job information into one record per worker. This system and other such tools are developed to assist these clinics in identifying and tracking occupationally-related health effects among worker populations and identifying opportunities to initiate preventive or mitigative measures. In the Epidemiologic Studies area, worker injury and illness data is collected to identify emerging health issues associated with job exposures and to evaluate the impact of health and safety practices at DOE facilities. This program also supports studies to assess the health of populations living near DOE sites in order to determine if the health of the host communities has been impacted by DOE operations. Information from those health studies is communicated to the DOE workforce, line management and community stakeholders. In the International Health Studies area, health and environmental programs in the Marshall Islands are managed for those populations and land areas exposed to fallout from the Castle BRAVO atmospheric nuclear test. In addition, research programs are supported to expand the knowledge of dose-response relationships and resulting health effects of radiation exposure based on studies of workers and populations exposed to radiation as a result of accidents or environmental contamination in the former Soviet Union.

II. Funding Schedule

Program Activity	FY 1996 ⁷	<u>FY 1997</u>	<u>FY 1998</u>	\$ Change	% Change	FY 1999
Occupational Medicine	\$6,095	\$6,000	\$10,835	\$+4,835	81%	\$11,075
Epidemiologic Studies	24,733	22,768	$3,050^{8}$	-19,718	-87%	3,050
International Programs						
-Marshall Islands	6,800	6,800	6,800	0	0%	6,800
-Other Programs	4,017	3,000	4,800	<u>+1,800</u>	<u>60%</u>	<u>4,800</u>
Total Health Studies Program	\$ 41,645	\$ 38,568	\$ 25,485	\$ -13,083	-34%	\$ 25,725

⁷Comparable appropriation numbers.

⁸In FY 1998, the Memorandum of Understanding with the Department of Health and Human Services and the State Health Agreement activities are transferred to the Non-defense Environment, Safety and Health program.

III. Performance Summary - Accomplishments	FY 1996	<u>FY 1997</u>	FY 1998	FY 1999
Occupational Medicine				
 Provide medical examinations and programs for 2,000 to 3,000 current and former DOE employees at risk for occupational disease, including berylliosis. Plan and implement expanded medical surveillance across DOE sites to protect cleanup workers. 	\$1,850	\$1,450	\$2,150	\$2,390
- Continue grant program through National Institute for Occupational Safety and Health (NIOSH) to support research and innovation in exposure assessment and medical studies.	1,700	1,500	1,500	1,500
- Continue to add sites to the Medical Surveillance Information System (MSIS).	955	950	900	900
- Continue support to medical line management program that includes technical assistance visits to site occupational medicine clinics to support operations office efforts in providing direction in the efficient delivery of quality occupational medical services; completion of the rule of medical standards rulemaking for the Personnel Assurance Program; continue to survey DOE sites on the degree of workplace violence and establish a repository for workplace violence information; complete work on DOE's "No Smoking Rule"; provide occupational medicine expert consultation and specific studies to address concerns associated with the operation of DOE site occupational medicine programs.	440	300	485	485
- Complete the first year (FY 1997) of the medical screening phase of the program (section 3162) to monitor former DOE workers with significant occupational exposures and expand the program to new sites; analyze clinical findings of working conditions across multiple sites; and identify and investigate potential occupational health concerns. Continue the comprehensive program to communicate risk to workers and to communities affected by DOE's past operations. Increase support for DOE former workers program, in response to Section 3162 of the Defense Authorization Act of 1993, by initiating a pilot program at five DOE sites for evaluating the health of former workers who may be at significant risk due to past occupational exposures. In addition to the EH funding, this program was supported by the offices of Defense Programs and Environmental Management.	750	1,500	5,500	5,500
- Continue to assist DOE with the Radiation Emergency Accident Center Training Site (REAC/TS) support.	400	300	<u>300</u>	300
TOTAL Occupational Medicine	\$6,095	\$6,000	\$10,835	\$11,075

III. Performance Summary - Accomplishments (continued)	FY 1996	<u>FY 1997</u>	FY 1998	<u>FY 1999</u>
Epidemiology				
- Continue collaboration in epidemiologic analysis conducted under the Memorandum of Understanding with the Department of Health and Human Services. These activities transferred to non-defense in FY 1998. Under this program, 20 worker health studies were completed and 27 additional studies were initiated. Major environmental dose reconstruction projects at Hanford and Fernald have also been completed and a new dose reconstruction project has been initiated at Savannah River.	\$15,124	\$14,768	\$ 0	\$ 0
- Complete support commitments under State Health Agreements whereby the Department provides grants to states hosting DOE facilities to determine the impact of operations of those facilities on the health of the surrounding communities. These activities transferred to non-defense in FY 1998. Awards were made to the States of California, Colorado, Florida, Idaho, New Mexico, South Carolina, and Tennessee. Projects have been completed in Florida, Idaho, New Mexico, and California (within the next few months).	5,769	5,000	0	0
- Initiate funding for activities under the Epidemiologic Center for Statistics and Analysis to evaluate worker health and safety.	0	0	100	100
- Continue epidemiological surveillance of DOE workers; publish findings in annual epidemiological surveillance reports; provide briefings and written materials to stakeholders on completed studies; identify emerging health issues requiring evaluation and conduct follow up investigations; continue communication activities with workforce and community.	2,440	2,000	1,950	1,950
- Continue efforts to analyze biokinetic models for deposition and dosimetry for transuranics in humans to improve models and occupational radiation standards.	1,400	1,000	1,000	1,000
TOTAL Epidemiology	\$24,733	\$22,768	\$3,050	\$3,050
<u>International</u>				
Marshall Islands:				
- Conduct two medical missions, two environmental missions, and two whole body counting missions in the Marshall Islands.	\$6,800	\$6,800	\$6,800	\$6,800

III. Performance Summary - Accomplishments (continued)	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
Other Programs:				
- Continue selected projects (based on the FY 1997 program review) assessing health effects of the Chernobyl accident. Based on the results of a feasibility study, a major long-term study of leukemia in workers may occur.	\$1,845	\$1,500	\$1,500	\$1,500
- Continue U.SRussian collaborative efforts to full-scale cohort studies in the South Ural region and begin feasibility studies in other contaminated regions, as well as support involving analysis on molecular epidemiologic projects. This includes a leukemia study to investigate the health effects of workers and local populations associated with radiation exposures from the Chernobyl accident in Belarus and Ukraine and from the operations of the MAYAK weapons facility in Russia.	1,822	1,200	3,000	3,000
- Continue United States participation in Project Indalo.	350	300	300	300
TOTAL Other Programs:	\$ 4,017	\$ 3,000	<u>\$ 4,800</u>	<u>\$ 4,800</u>
Total Health Studies	<u>\$41,645</u>	<u>\$38,568</u>	<u>\$25,485</u>	<u>\$25,725</u>

Explanation of Funding Changes from FY 1997 to FY 1998

Occupational Medicine

- Increase support for DOE former workers program, in response to Section 3162 of the Defense Authorization Act of 1993, reflects consolidation of this program in the EH Budget Prior to FY 1998, this program was supported by the offices of Defense Programs and Environmental Management. Funding is consolidated into the EH budget for FY 1998. (+\$4,000,000)
- Increase support for DOE site occupational medicine programs. (+\$185,000)
- Streamline and provide cost efficiencies for the Medical Surveillance Information System. (-\$50,000)
- Increase medical examinations and programs for occupational diseases. (+\$700,000)

Epidemiology

• Provide support for the Epidemiologic Center for Statistics and Analysis to evaluate worker health and safety. (+\$100,000)

Explanation of Funding Changes from FY 1997 to FY 1998 (continued)

- Streamline Epidemiologic Surveillance activities (-\$50,000)
- Decrease reflects the transfer of the State Health Agreements and Health and Human Services Memorandum of Understanding to non-defense EH program in the Energy Supply, Research and Development appropriation (-\$18,731,000) which is \$337,000 less than the FY 1997 appropriated amount.
- Achieve cost savings through streamlining activities. (-\$1,037,000)

International

• Increase support for Chernobyl and Russian Federation studies to initiate dosimetry and epidemiology analysis. (+\$1,800,000)

Explanation of Funding Changes from FY 1998 to FY 1999

• Increase support to medical programs including occupational medicine experts for specific studies to address concerns with DOE site operations. (+\$240,000)

ENVIRONMENT, SAFETY AND HEALTH DEFENSE RADIATION EFFECTS RESEARCH FOUNDATION (Dollars in thousands)

I. <u>Mission Supporting Goals and Objectives</u>:

The Atomic Bomb Casualty Commission (ABCC) was established in 1946 to investigate the effects of radiation exposure in survivors of the atomic bombings of Hiroshima and Nagasaki. In April 1975, the Radiation Effects Research Foundation (RERF) was established as a full successor to the ABCC. Annual funding for the operation of the RERF is provided equally by the Government of Japan through the Ministry of Health and Welfare and the U.S. Government through DOE.

The objective of the RERF is to conduct analysis, for peaceful purposes, on the medical effects of radiation on man or diseases that may be affected by radiation, with a view to contributing to the maintenance of the health and welfare of atomic bomb survivors and to the enhancement of the health of all mankind. The EH prioritization criteria supports ongoing analysis of radiation-exposed populations in Japan. The efforts of the RERF studies cut across the Department's organizational entities.

The RERF programs at the major laboratories in Hiroshima and Nagasaki consist of the following analysis of fixed populations: the Life Span Study, the Adult Health Study, the Pathology Program, the Genetic Program (mortality study of survivors, cytogenetics study, biochemical genetics study, growth and development study), and a series of small substudies. The results of these analysis will be used to validate existing radiation protection standards or become the basis for changing those standards.

II. Funding Schedule

Program Activity	FY 1996 ⁹	<u>FY 1997</u>	<u>FY 1998</u>	\$ Change	% Change	<u>FY 1999</u>
RERF	\$20,000	\$15,000	\$14,500	\$-500	-3%	\$14,500

⁹RERF was funded in the non-defense EH Energy Supply, Research and Development appropriation in FY 1996. This number reflects comparability.

FY 1996¹⁰ FY 1997 FY 1998 FY 1999

III. Performance Summary - Accomplishments:

Radiation Effects Research Foundation

- Continue support for RERF studies (e.g., Life Span Study, Adult Health Study, the Genetic Program) for atomic bomb survivors in Hiroshima and Nagasaki. Continue revised cost-sharing arrangement with the Japanese government that allows for reduced and stable funding by the DOE.

<u>\$20,000</u> <u>\$15,000</u> <u>\$14,500</u> <u>\$14,500</u>

\$20,000 \$15,000 \$14,500 \$14,500

Explanation of Funding Changes FY 1997 to FY 1998

Total Radiation Effects Research Foundation

• Continue to work with Japanese government to implement cost efficiencies. (-\$500,000)

¹⁰Comparable number.

DEPARTMENT OF ENERGY FY 1998 CONGRESSIONAL BUDGET REQUEST ENVIRONMENT, SAFETY AND HEALTH DEFENSE PROGRAM DIRECTION (Dollars in thousands)

I. <u>Mission Supporting Goals/Ongoing Responsibilities:</u>

Program Direction provides overall direction and administrative support for Environment, Safety and Health (EH) programs to ensure that all operations are conducted in the most efficient, effective manner.

Program Direction has been grouped into four categories:

Salaries and Benefits provide funding for a Federal staff with the technical expertise required to carry out the essential EH mission. The EH mission requires experts to provide a central and coordinated source of technical expertise to all field elements; to provide a central clearing house for information, analysis and feedback regarding new efforts, present activities, and unforeseen occurrences taking place at the multitude of diverse facilities within the DOE complex; and to provide the Department with independent oversight capability as well as health studies endeavors.

Travel funding provides staff the ability to perform the EH mission with particular emphasis on activities in the field related to Assessment, the Site Resident Program, Accident Investigations, Analyses and Health Studies throughout the DOE complex.

Support Services are not provided for in FY 1998 and FY 1999 in this decision unit.

Other Related Expenses are not relevant in this appropriation.

In FY 1998, Program Direction has been incorporated into the Environment, Safety and Health Non-Defense account in the Energy Supply, Research and Development Appropriation for all EH employees.

ENVIRONMENT, SAFETY AND HEALTH DEFENSE PROGRAM DIRECTION

(Dollars in thousands)

II. <u>Funding Table</u>:

<u>Headquarters</u>	FY 1996 Current Appropriation	FY 1997 Original/Current Appropriation	FY 1998 Request	FY 1999 Request
Salaries and Benefits	\$10,476	\$9,641	\$0	\$0
Travel	1,175	1,000	0	0
Support Services	<u>115</u>	<u>65</u>	0	0
Total	\$11,766	\$10,706	\$0	\$0
Full Time Equivalents	95	100	0	0

EH DEFENSE PROGRAM DIRECTION (Dollars in thousands)

III. Performance Summary:

FY 1996 Measurable Performance Activities:

- Implemented technical qualifications program.
- Continued reduction in contractor utilization.
- Continued to provide the Secretary and DOE managers with an important tool--independent and unbiased view of how well the Department is doing in managing environment, safety and health, and safeguards and security programs.
- Conducted health studies of workforce and community concerns.
- Implemented state health agreements.
- Continued to work with line management to eliminate redundant functions.

FY 1997 Measurable Performance Activities:

- Continue reduction in contractor utilization consistent with strategic alignment initiative.
- Increase safety by identifying areas that require improvement.
- Continue to provide the Secretary and DOE managers with an important tool--independent and unbiased view of their performance in managing environment, safety and health.
- Conduct health studies to protect the health of all DOE workers as well as the health of the communities that have hosted DOE sites.
- Continue technical qualifications program.

FY 1998 and FY 1999 Measurable Performance Activities:

N/A

IV. Explanation of Funding Changes FY 1997 to FY 1998 and FY 1999

• Reflects the consolidation of funding for all EH employees in the Environment, Safety and Health within the Energy Supply, Research and Development appropriation program direction decision unit.